

FIG 2

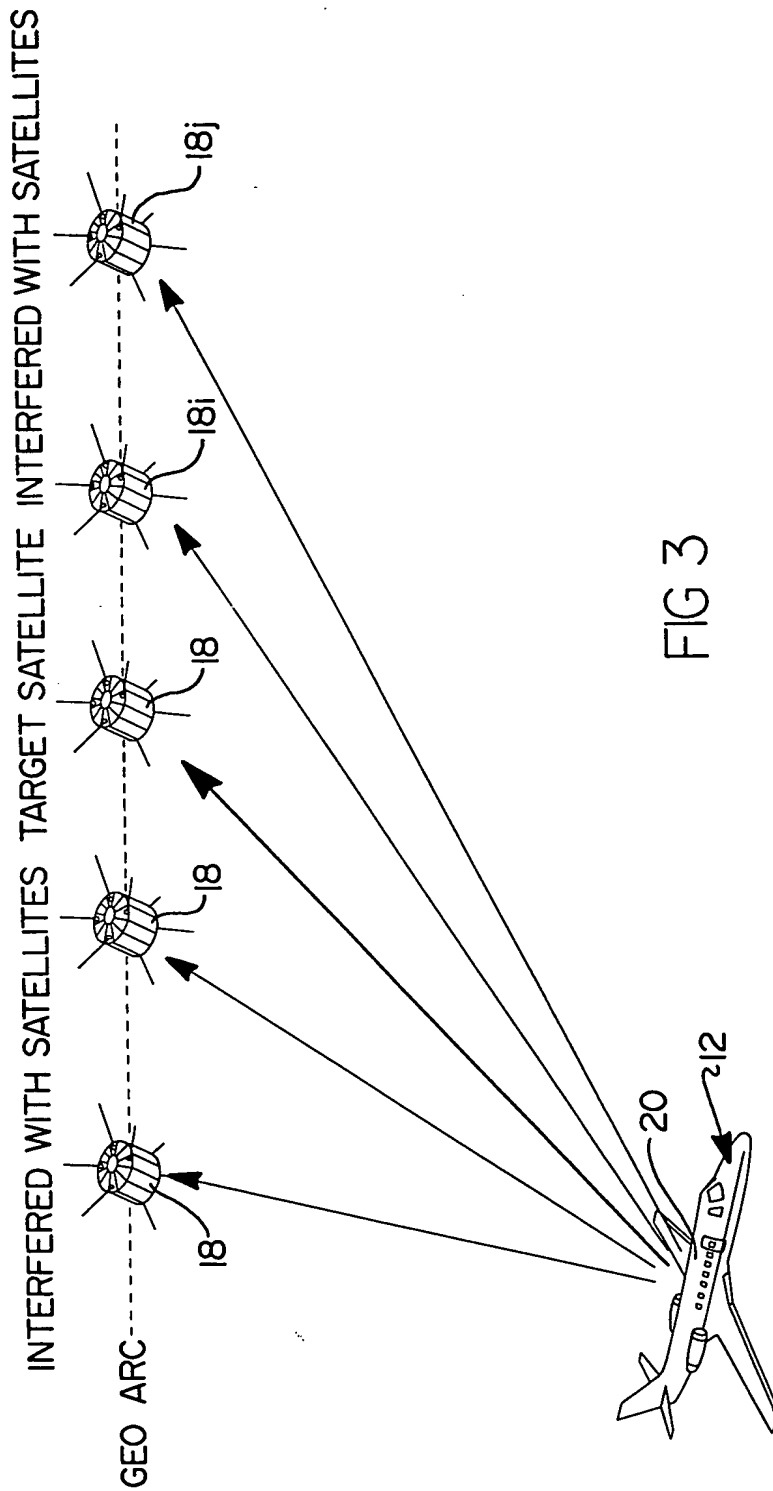


FIG 3

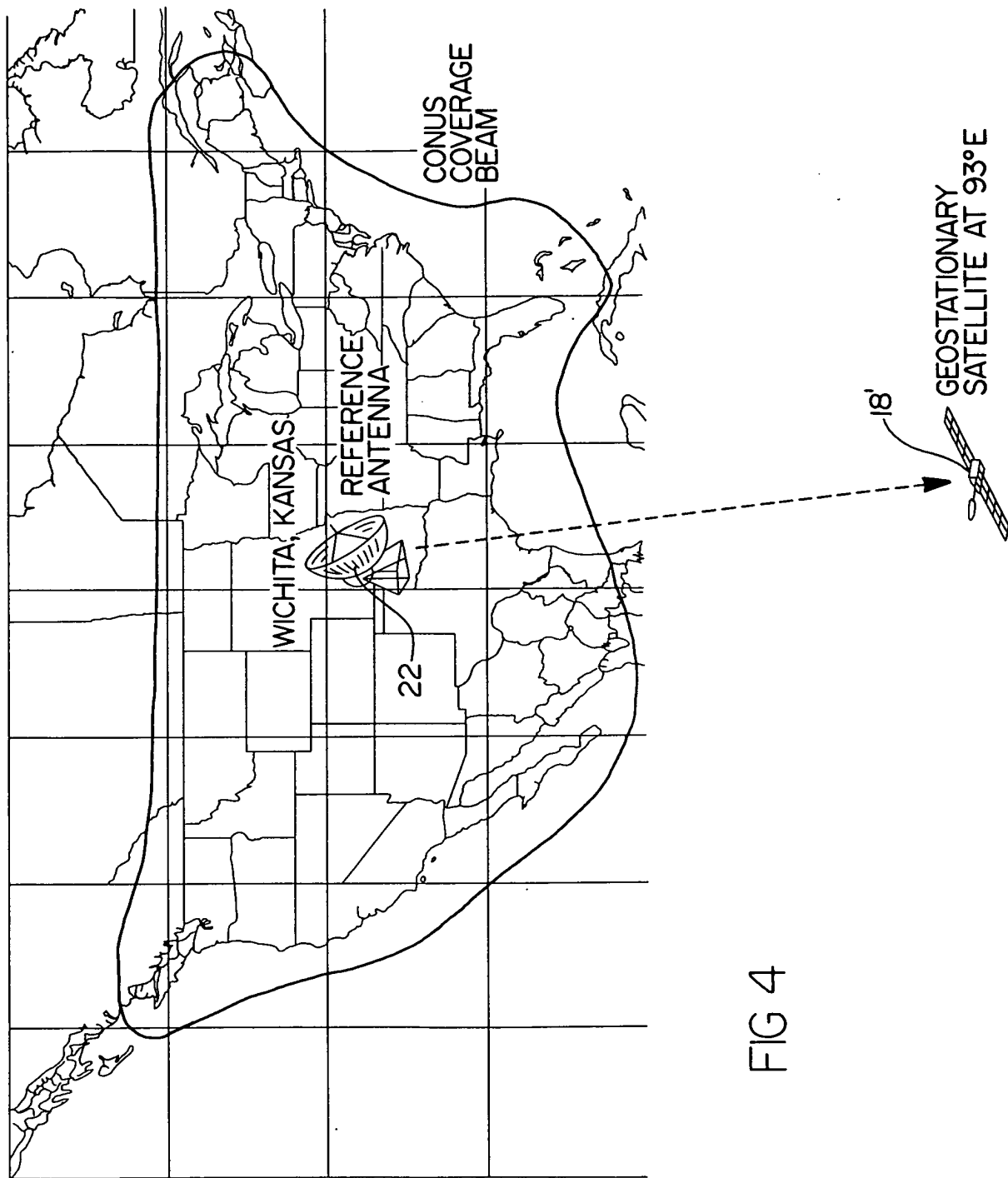


FIG 4

FIG 5

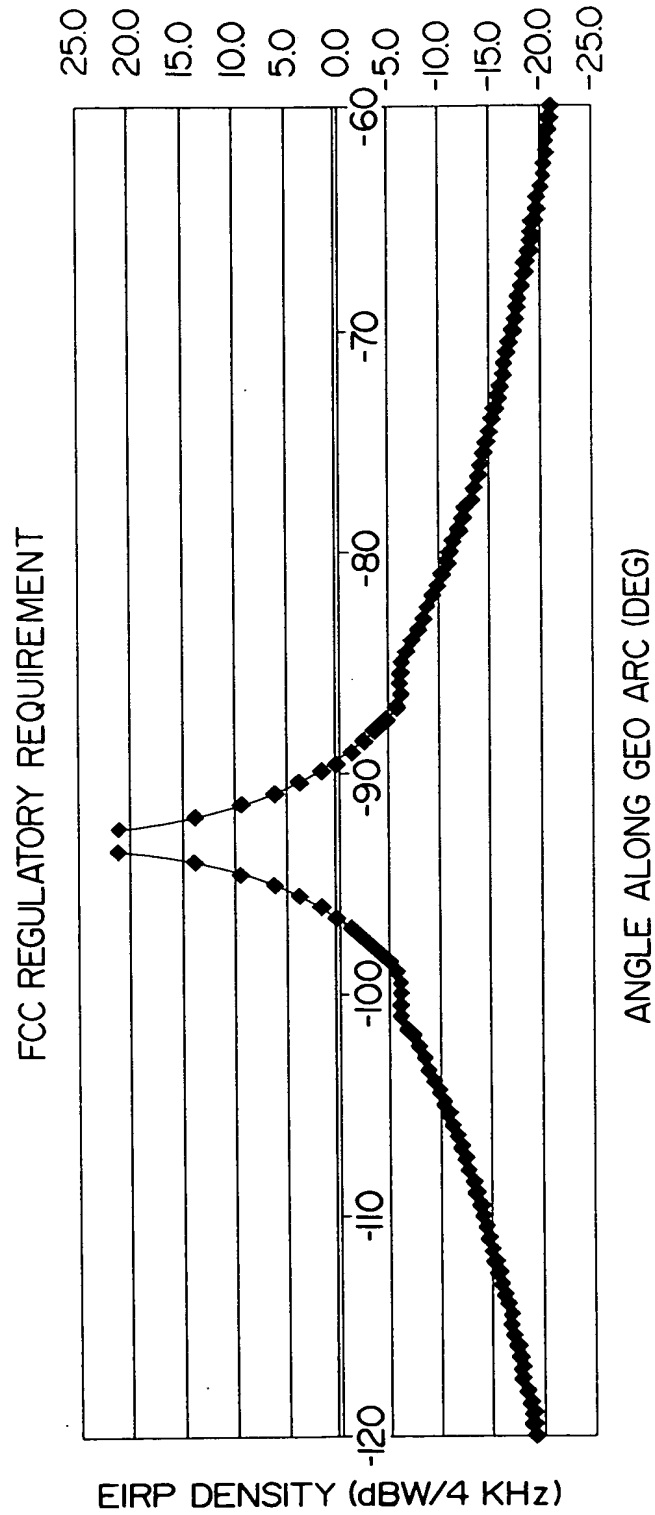
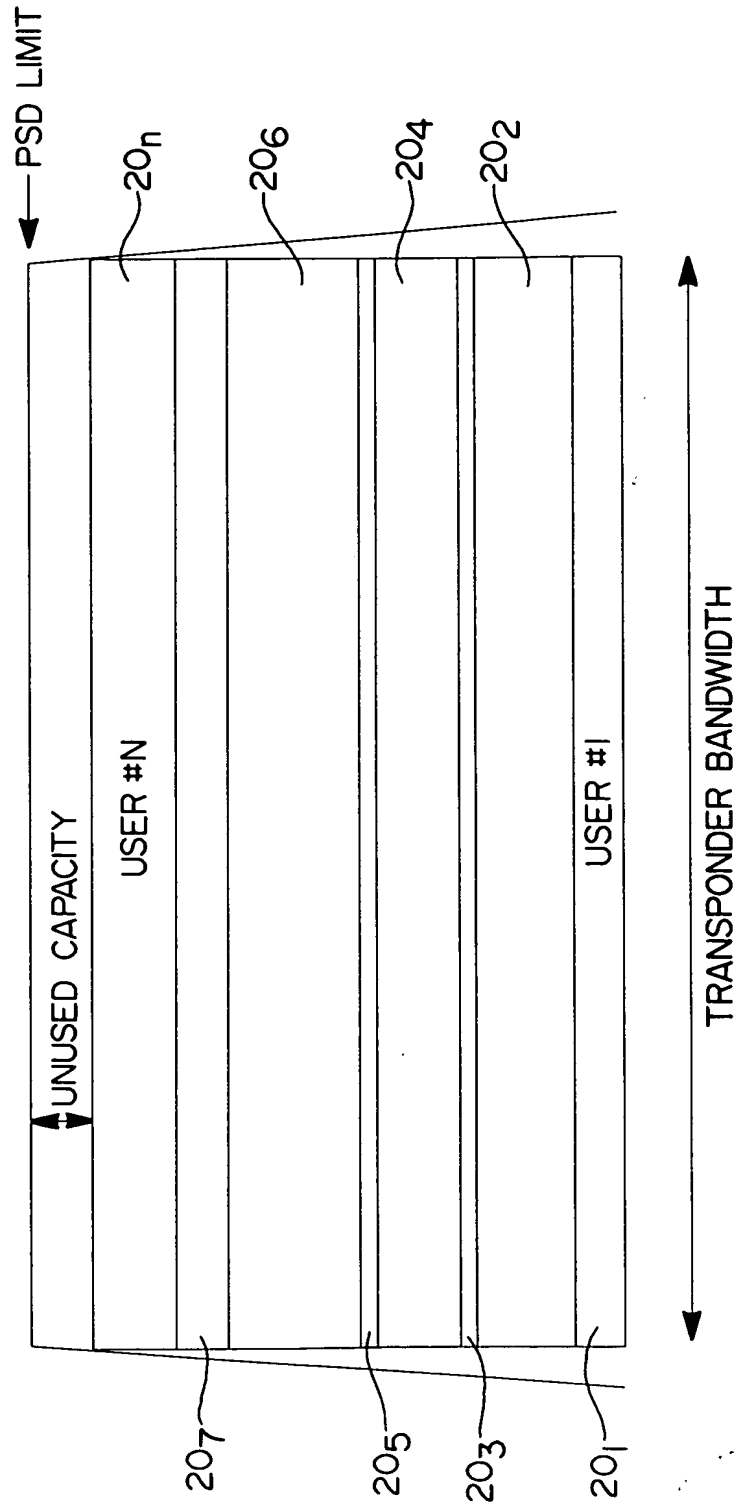


FIG 6



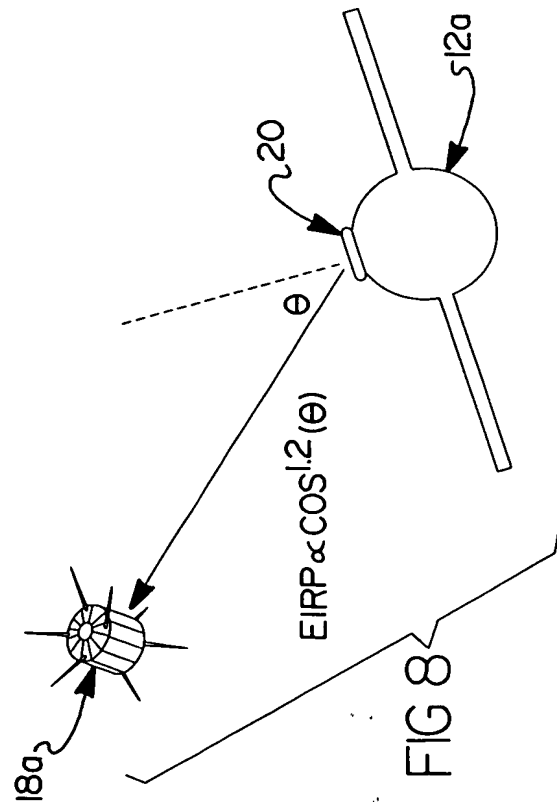
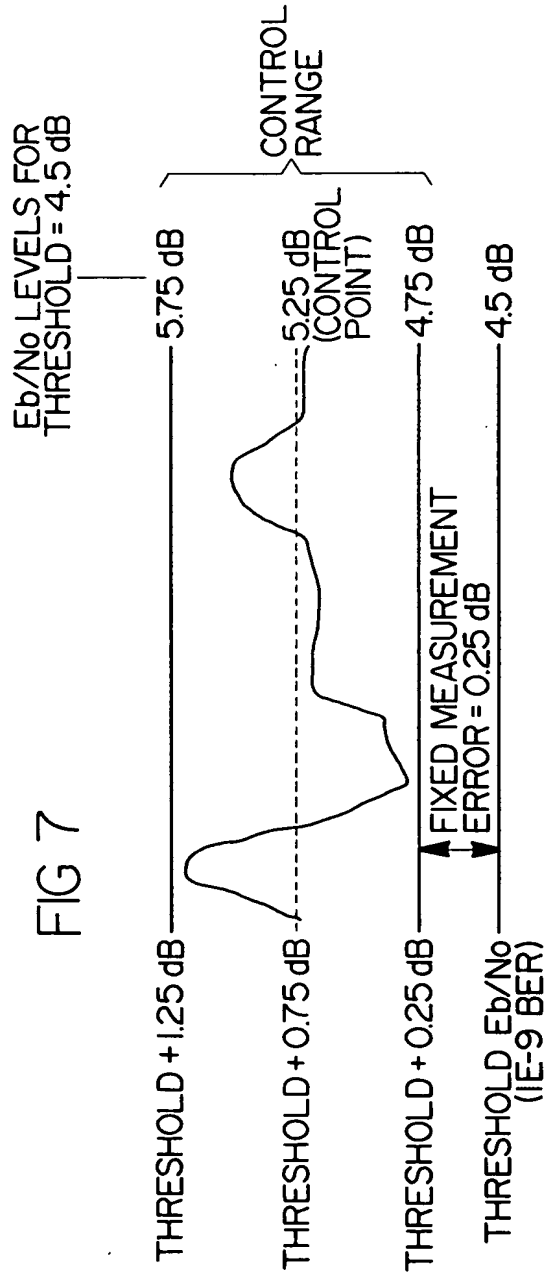
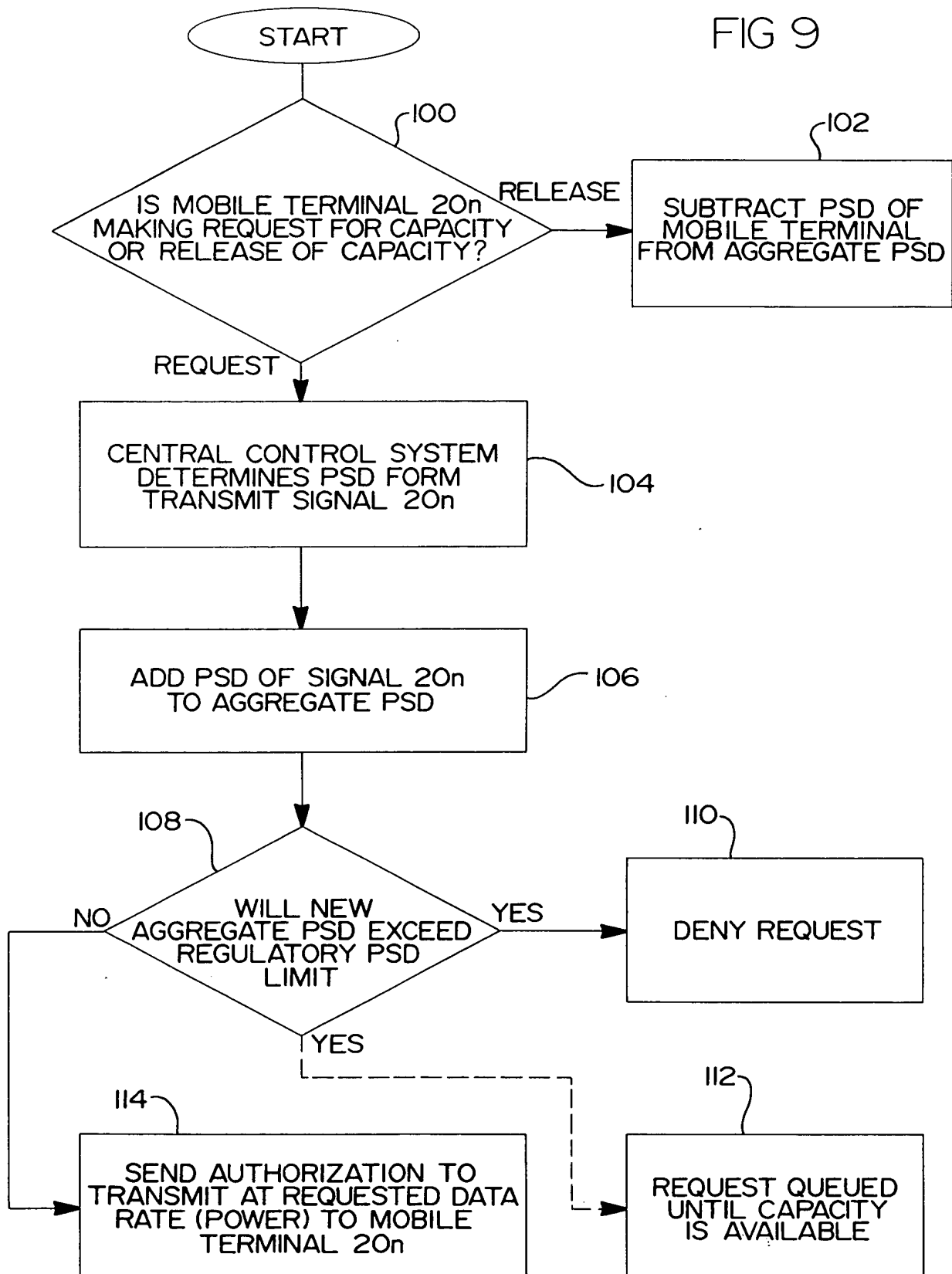


FIG 9





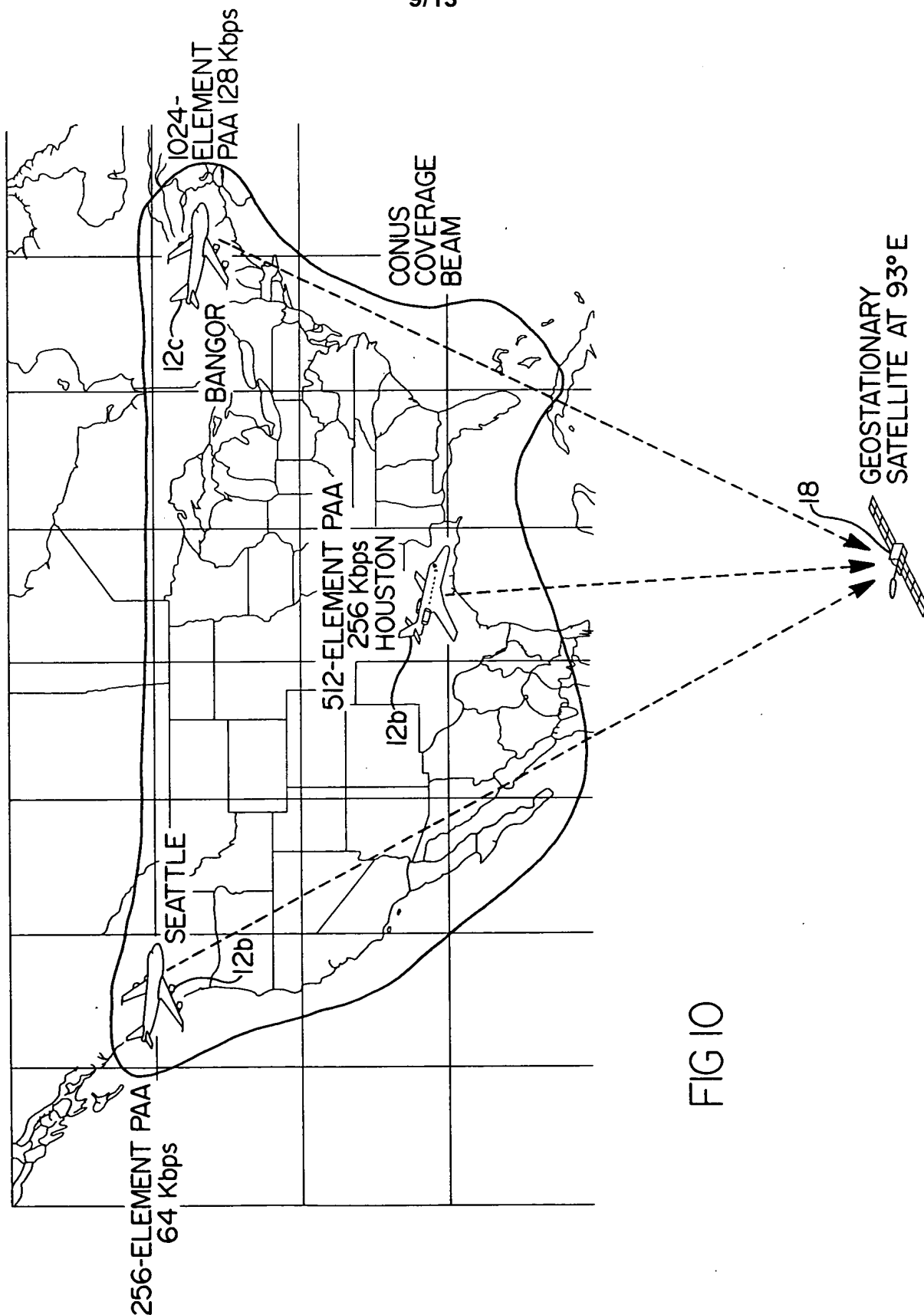
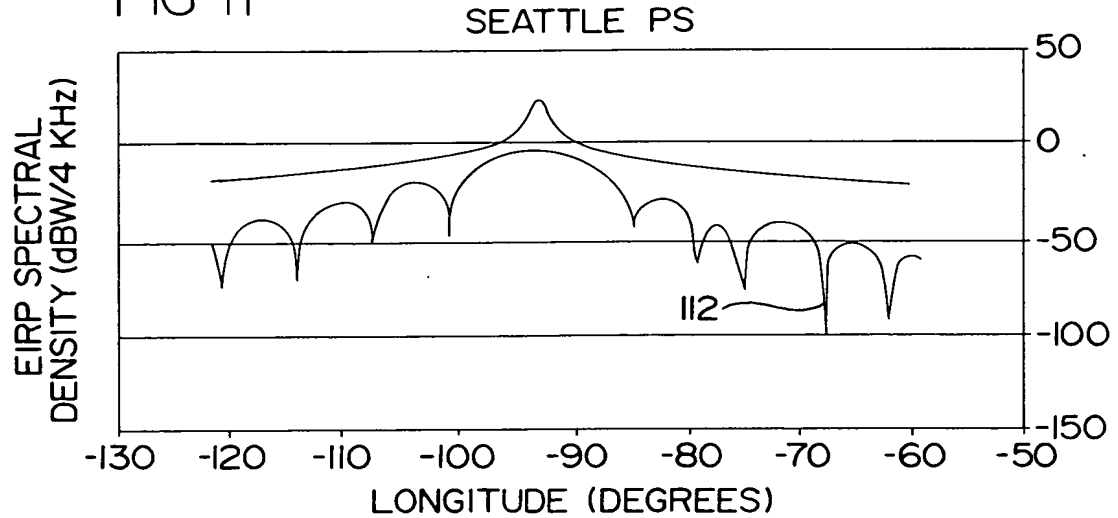


FIG 10

256 ELEMENT  
PHASED ARRAY ANTENNA,  
34 dBW, 64 Kbps, SEATTLE

FIG 11



512 ELEMENT  
PHASED ARRAY ANTENNA,  
39 dBW, 256 Kbps, HOUSTON

HOUSTON PSD

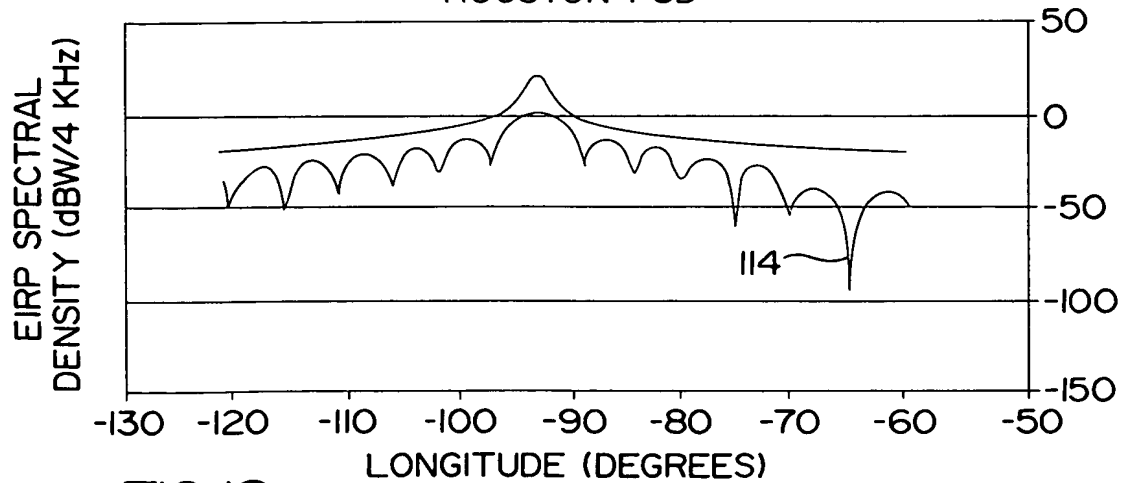
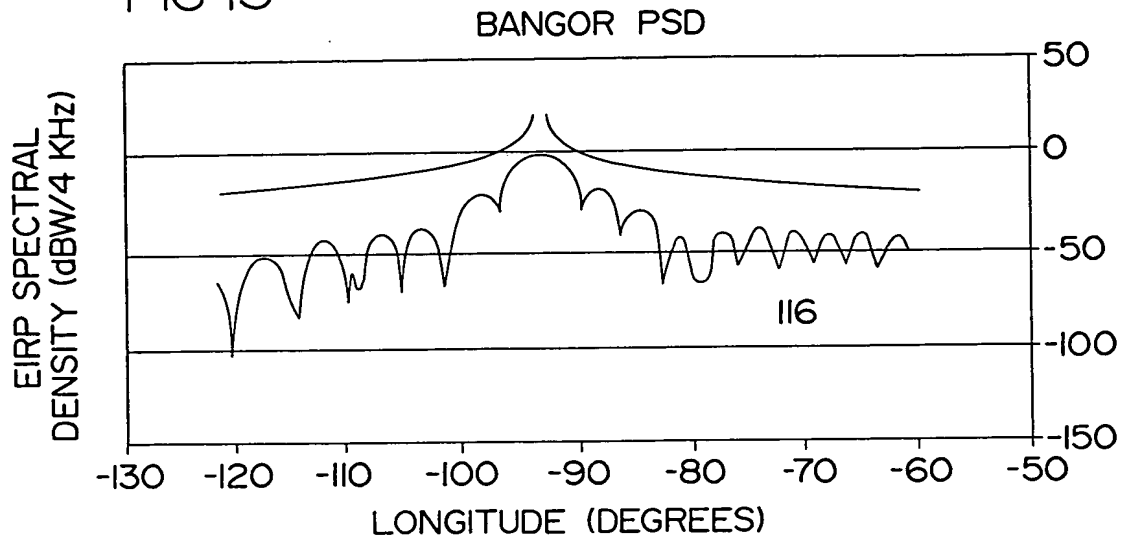


FIG 12

1024 ELEMENT  
PHASED ARRAY ANTENNA,  
37 dBW, 128 Kbps, BANGOR

FIG 13



AGGREGATE PSD  
FROM 3 DIFFERENT  
USER TERMINALS

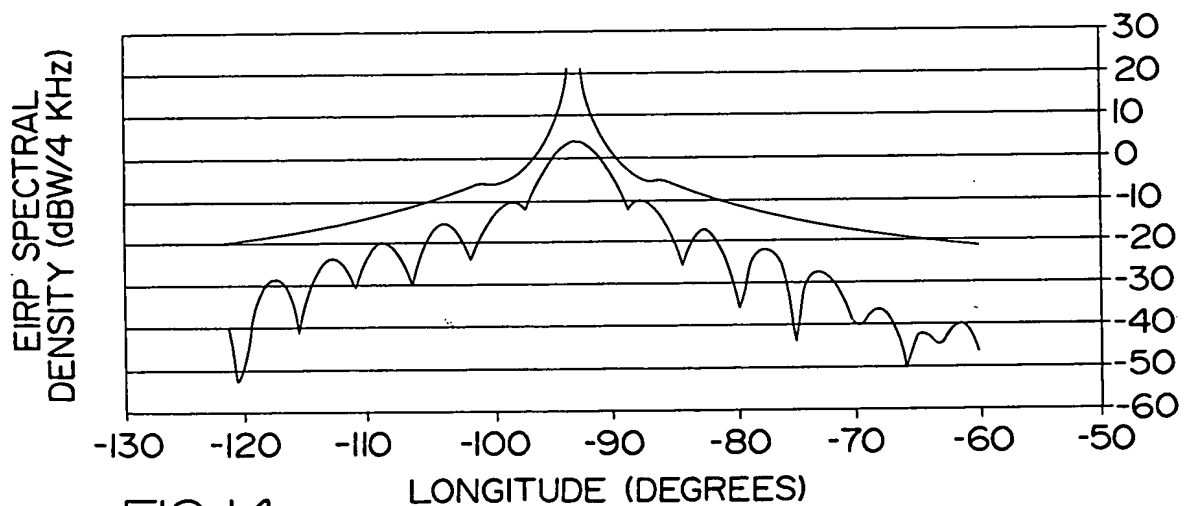


FIG 14

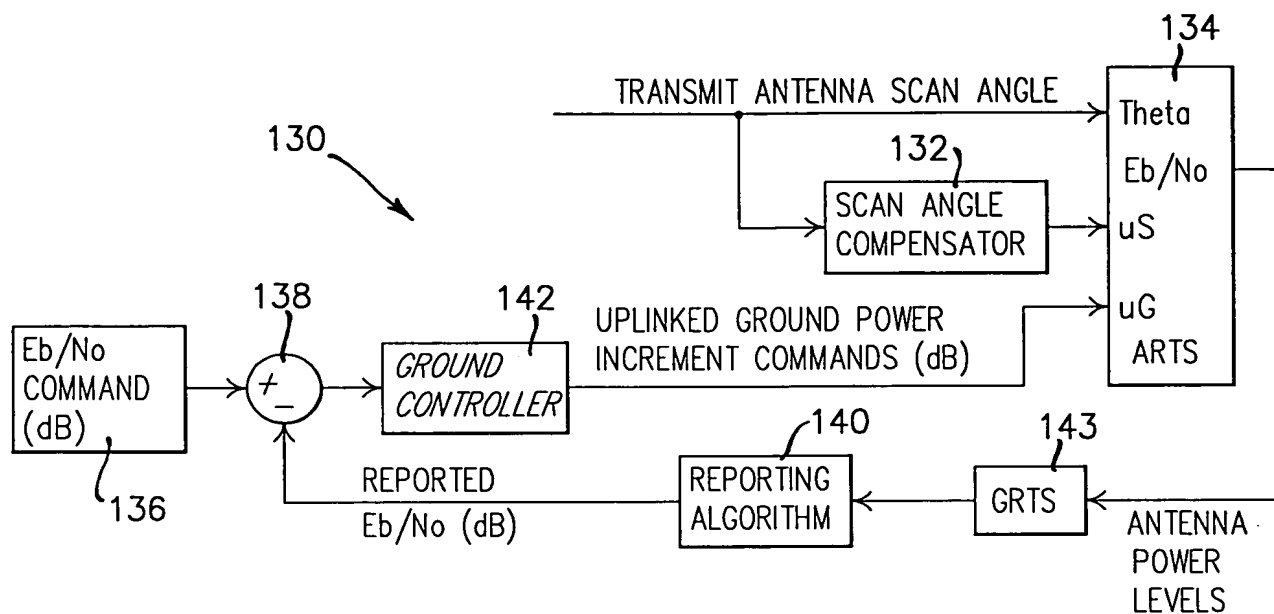


FIG 15

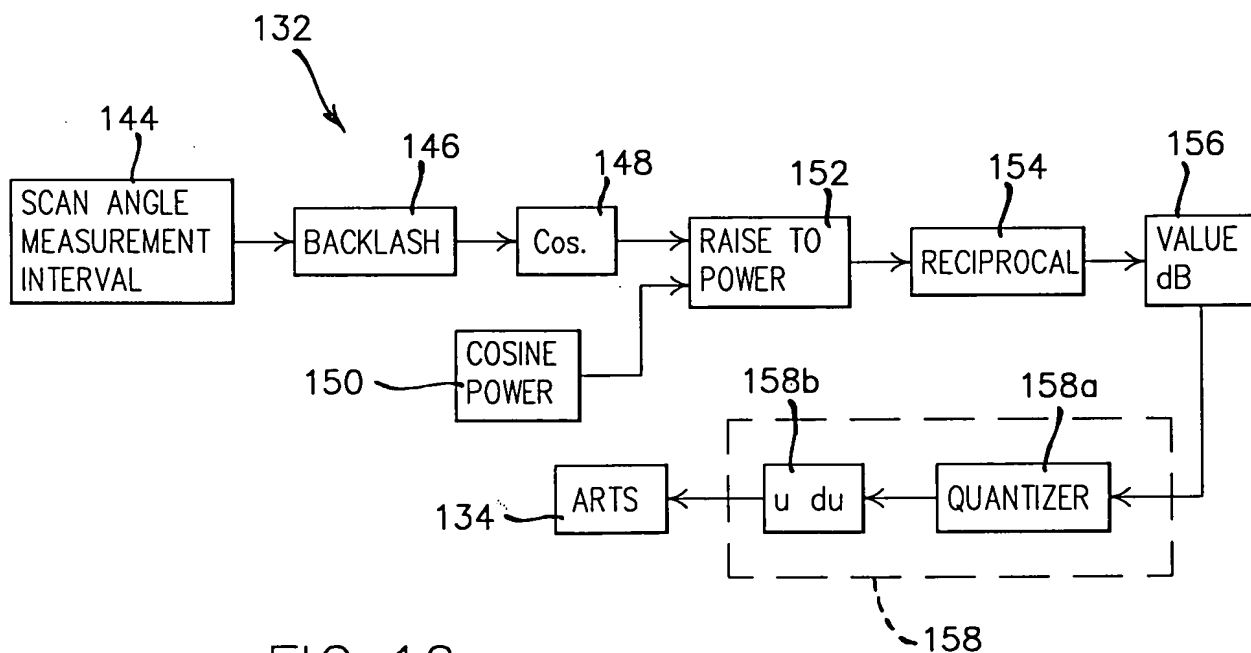


FIG 16

FIG 17

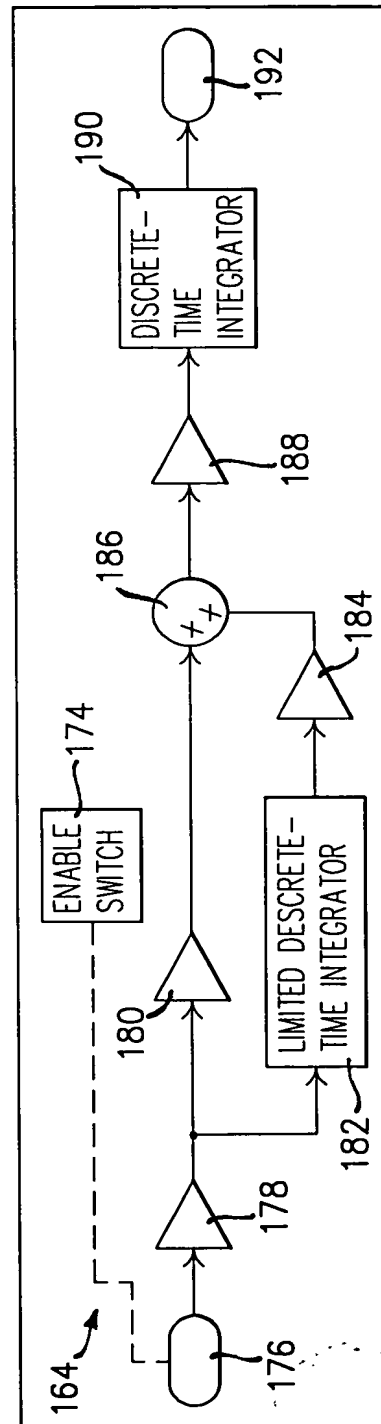
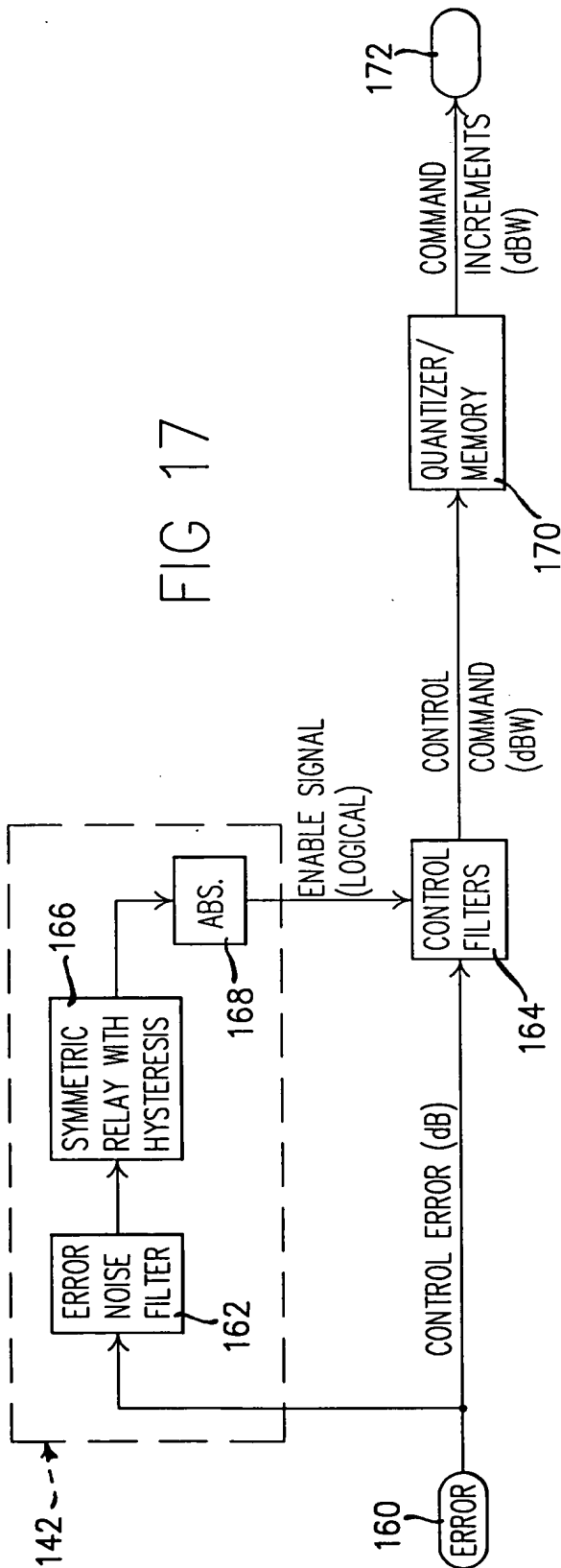


FIG 18